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Robert Moll  
Robert Moll, Reg. No. 33,741

## U.S. PATENT AND TRADEMARK OFFICE

In re Application of: Glen C. Shepherd et al. Examiner: Unknown

Title: A Substrate with Via and Pad Art Unit: 2841

Structures Attorney Docket No. Solectron 735

Application No. 10/774,115

Filing date: February 6, 2004

## INFORMATION DISCLOSURE STATEMENT

Director of the United States  
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Dear Examiner:

This Information Disclosure Statement is submitted:

under 37 CFR 1.97(b), or

(Within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)

- under 37 CFR 1.97(c) together with either:
  - a certification under 37 CFR 1.97(e),

Each item of information contained in the information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement, or
  - a \$180.00 fee under 37 CFR 1.17(p), or

(After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- under 37 CFR 1.97(d) together with a:
  - Certification under 37 CFR 1.97(e), and
  - a petition under 37 CFR 1.97(d)(2)(ii), and
  - a \$130.00 petition fee set forth in 37 CFR 1.17(i)

(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)
- Applicant(s) submit an information disclosure statement and PTO/SB/08A form(s), and/or PTO/SB/08B form(s)
- Applicant(s) submit copies of patents, publications, and/or other information to be reviewed in examination for which there may be a duty to disclose under 37 CFR 1.56, or
- Applicant(s) submitted copies of such patents, publications, or other information in an information disclosure in earlier US Application No. \_\_\_\_\_, which is relied on for an earlier effective filing date under 35 USC 120

Please call if you have a question, comment or it will expedite prosecution.

Respectfully submitted,

Robert Moll

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Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of 1

## Complete if Known

Application Number	10/774,115
Filing Date	02-06-2004
First Named Inventor	Glen C. Shepherd
Art Unit	2841
Examiner Name	Unknown
Attorney Docket Number	Solectron 735

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 6549179 B2	04-15-2003	Youngquist et al.	
		US- 6300578 B1	10-09-2001	Hoffmeyer et al.	
		US- 6104082	08-15-2000	Berlin et al.	
		US- 5805428	09-08-1998	Singer	
		US- 5731960	03-24-1998	Fung	
		US- 5683788	11-04-1997	Dugan et al.	
		US- 5459642	10-17-1995	Stoddard	
		US- 5384433	01-24-1995	Osann, Jr. et al.	
		US- 5303122	04-12-1994	Adams, Jr. et al.	
		US-			
		US- 2003/0148557 A1	08-07-2003	Lim et al.	
		US- 2003/0064546 A1	04-03-2003	McCormick et al.	
		US- 2003/0063447 A1	04-03-2003	Cwik et al.	
		US-			

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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